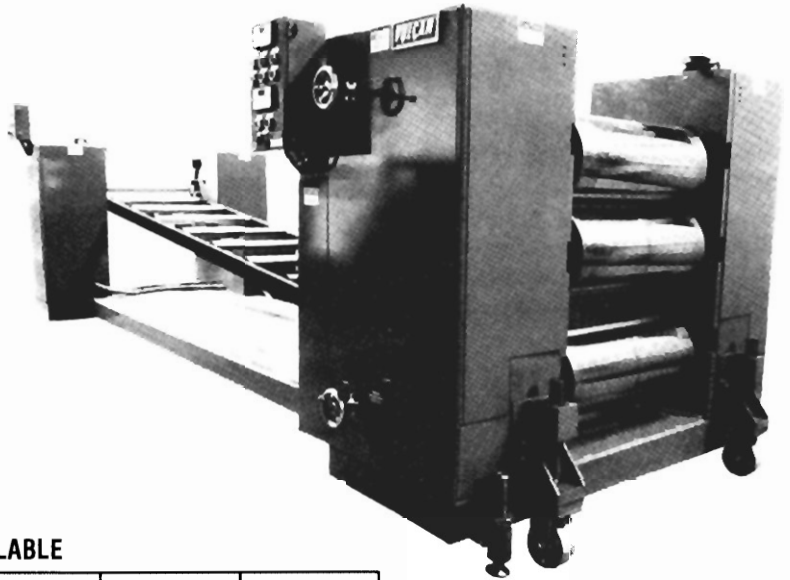


# SHEET LINES



## STANDARD MODELS AVAILABLE

Polishing Roll Dia. (Inches)	Model Number				Draw Roll Dia. (Inches)	Drive H.P. Ea. Drive
	Roll Face Width (Inches):					
	8	14	20	28		
8	SL88	SL814	SL820		4	1
12	SL128	SL1214	SL1220	SL1228	6	1½
16		SL1614	SL1620	SL1628	6	2

### MAIN FRAME:

- Precision Heavy Wall Tubing and Plate Weldment
- Rigid V-Groove Casters for Track Mounting
- Vertical Center-Line Height Adjustment 40" to 44"
  - Four roller bearing jack screws

### POLISHING ROLL STAND:

- Three-Roll S-Wrap, Downstacked
- Double Shell Spiral Baffled Rolls
- Non-Binding Lineal Motion - Open/Close; Max. Opening - 4 Inches
- Fluid Passage - 3/4" NPT
  - 3/4" NPT rotary unions installed inlet and outlet
- Roll Surface - Eight Microfinish
  - Single hard chrome plated to .010 inch thickness
  - Roll concentricity ±.001 inch
- Maximum Nip Closing Force - 150 Pounds/Lineal Inch
- Nip Actuation - Pneumatic as standard - see Options for other
  - Jack Screw adjustment - up to 1.00 inch
  - .025" movement/revolution of Jack Screw
  - Closed gap tolerance ±.001 inch
  - Independent stops for left and right roll adjustment

### DRAW ROLL STAND:

- Two-Roll - Vertically Aligned
- 70 Durometer Natural Rubber Covered Rolls
  - Surface ground to .50 inch thickness
- Nip Pneumatically Actuated
  - Maximum Nip Opening - 4 inches
  - Nip lineal force adjustable to a max. of 100 of 100 pounds/lineal inch

## **MAIN FRAME:**

- Precision Heavy Wall Tubing and Plate Weldment
- Rigid V-Groove Casters for Track Mounting
- Vertical Center-Line Height Adjustment 40" to 44"
  - Four roller bearing jack screws

## **POLISHING AND DRAW ROLL DRIVES:**

- Separate Drives for Polishing Rolls and Draw Rolls
  - Horsepower as shown in Table
- Drives Independently Digitally Controlled
  - Speed regulation of  $\pm .07\%$
  - Master/master or master/follower format capability
- LED Readouts With Solid State Key Pad Speed Set

## **SHEET COOLING PROVISIONS:**

- Conveyor - Different lengths available
  - 10 Ft. long idler roll conveyor between polishing roll and draw roll stand

## **CONTROLS:**

- Solid State Programmable Logic Controller
- Digital Speed Controller
  - Speed regulation to  $\pm .07\%$
  - Key pad entry
  - Differential set speeds between draw roll and polishing roll can produce any desired draw down
- Drive Start/Stop Pushbutton
- Remote Draw Roll Start/Stop Pushbutton
- Independent Open/Close Push Buttons for Both Top and Bottom Polishing Rolls and Draw Rolls
- Emergency Stop Pushbutton and Rope Emergency Stop
  - All roll nips open on emergency stop
- Adjustable Acceleration and Deceleration
- Maximum and Minimum Speed Adjustments
- Gap Setting and Roll Protection - Jack Screw Actuated
  - $.025"$  Vertical movement per revolution of handle

## **OPTIONS:**

- Hardened Rolls
- Lower Microfinishes on Roll Surface
- Three Zone Direct Injected or Closed Circuit Temperature Control Unit; 250°F Maximum; 9KW Heater,
- 460V/3 Phase/60 Hz; Automatic Vent; LED Set Point and Display With System Status Indicators
- High Temperature Draw Roll Surface Compounds
- Floor Tracks With or Without Drive for 36 Inches Movement of Sheet Line
- Nip Hydraulically Actuated
- Dual Hard Chrome Plate For Corrosive Materials
- Hydraulic Nip Actuation



**Vulcan Machinery Group**  
20 N. Case Ave.  
Akron, OH 44305  
Tel: 330-376-6025  
Fax: 330-376-2172